

DERWENT-ACC-NO: 1978-25292A

DERWENT-WEEK: 198626

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TITLE: Purifying water by active sludge process using nitrifying
and denitrifying bacteria to remove nitrogen pollutants

PATENT-ASSIGNEE: OMNIUM ASSAINISSEMENT SA[OMNI]

PRIORITY-DATA: 1976FR-036060 (November 30, 1976)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
BE 861314 A	March 16, 1978	FR
FR 2372121 A	July 28, 1978	FR
ZA 7707008 A	August 7, 1978	EN
CH 622756 A	April 30, 1981	DE
IT 1088341 B	June 10, 1986	IT

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	C02F3/12	20060101
CIPS	C02F3/30	20060101

ABSTRACTED-PUB-NO: BE 861314 A

BASIC-ABSTRACT:

Purificn. of water by the activated sludge process with simultaneous elimination of carbon and nitrogen pollutants in the same treatment basin, uses a mixed culture of nitrifying and denitrifying bacteria. The aeration is limited so that the dissolved oxygen in the basin is 1.5 ppm max. and alternate zones are used of normally aerated zones and zones at the limit of anaerobiosis.

The process requires less plant compared with normal procedure which require separate treatment vessels for each type of purification with intermediate decanters.

TITLE-TERMS: PURIFICATION WATER ACTIVE SLUDGE PROCESS NITRIFICATION
DENITRIFICATION BACTERIA REMOVE NITROGEN POLLUTION

DERWENT-CLASS: D15

CPI-CODES: D04-B08; D05-A04;